BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**4**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**28**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**39**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**87**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**81**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**41**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**6.76**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**40**	281683
9	Supply & erection of DP set (2 pole structure kit-GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**3**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**11**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**3**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**9**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**3**	302011
14	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**8**	613050
15	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**13**	278911
16	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**4**	CDS materials for General works
17	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**	321438
18	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**16**	281674+600095+607054, CDS 60
19	Supply & providing of GI wire 8SWG	kg	**32**	281008
20	Supply & providing of Guy wire 7/10SWG	kg	**38**	281110

21	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**14**	303202, CDS 60
22	Supply & providing of LT Protection kit	No	**8**	301107
23	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**1**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**175**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**22**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**26**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**18**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**9**	280800+280511, CDS 60
24	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**3**	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**8**	302122
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**8**	821900
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	**6**	200005
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**4**	280119, CDS materials for General works
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**	321437
30	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**1**	
	Aluminium lead wire 50 sqmm	Mtr	**125**	289031
	Heavy duty long barrel copper lugs- 50 sqmm	No	**18**	288531
	P.G Clamps - Rabbit to 50 sq.mm	No	**18**	285508, CDS 63
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**30**	280800+280511, CDS 63
	Spacers for DTC wiring	No	**6**	284503
	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**1**	CDS 39
31	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**6**	200004
32	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**7**	280014, CDS materials for General works
33	1.1 kV Pin Insulator with GI Pin	No	**16**	283053, CDS 5
34	No. 8 Strain Insulator	No	**8**	283158
35	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**3**	CDS materials for General works

PART-II ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**4**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**28**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**39**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**41**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**6.76**
6	Supply & Providing of Spiral Earth Electrode	No	**40**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**3**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**11**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**3**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**9**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**3**
12	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**8**
13	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**13**
14	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**4**
15	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**
16	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**16**
17	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**14**
18	Supply & providing of LT Protection kit	No	**8**
19	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**1**
	i) Al Lead Wire - 95 Sqmm	Mtr	**175**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**22**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**26**

	iv) Spacer for DTC Wiring	No	**18**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**9**
20	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**3**
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**8**
22	Supply & Erection of 9M PSCC pole WL 300Kg	No	**6**
23	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**4**
24	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**
25	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**1**
	Aluminium lead wire 50 sqmm	Mtr	**125**
	Heavy duty long barrel copper lugs- 50 sqmm	No	**18**
	P.G Clamps - Rabbit to 50 sq.mm	No	**18**
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**30**
	Spacers for DTC wiring	No	**6**
26	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**1**
27	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**6**
28	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**7**
29	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**3**
30	Guy concreting with Boulders, Mud and Sand	No	**2**